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| Substitute for form 1449A/PTO<br><br><b>INFORMATION DISCLOSURE<br/>STATEMENT BY APPLICANT</b><br><br><i>(Use as many sheets as necessary)</i> |                      | <b>Complete if Known</b> |                       |
|   |                      | Application Number       | 10/678,765            |
|   |                      | Filing Date              | October 2, 2003       |
|   |                      | First Named Inventor     | Serbedzija, George N. |
|   |                      | Art Unit                 | 1632                  |
| Examiner Name   | Valarie E. Bertoglio | Attorney Docket Number   | 018852-000511US       |
| Sheet   | 1                    | of                       | 5                     |

| U.S. PATENT DOCUMENTS |                       |   |                                |  |   |
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| Examiner Initials*    | Cite No. <sup>1</sup> | Document Number<br>Number Kind Code <sup>2</sup> (if known) | Publication Date<br>MM-DD-YYYY | Name of Patentee or<br>Applicant of Cited Document | Pages, Columns, Lines, Where<br>Relevant Passages or Relevant<br>Figures Appear |
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|                          |                       | Country Code <sup>3</sup> | Number <sup>4</sup> | Kind Code <sup>5</sup> (if known) |                                |  |   |                          |
| /VB/                     | 230                   | EP                        | 1 644 733           | B1                                | 04-11-2007                     | Daniolabs Limited                                  |   | <input type="checkbox"/> |
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| Examiner Signature | Valarie Bertoglio/ | Date Considered | 11/05/2008 |
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| /VB/                            | 202                 | ALEXANDRE et al., "Somatotomy of the lateral line projection in larval zebrafish," <u>PNAS</u> , 96:7558-7562 (1999).   | <input type="checkbox"/> |            |
|                                 | 194                 | ANICHTCHIK et al., "Neurochemical and behavioural changes in zebrafish <i>Danio rerio</i> after systemic administration of 6-hydroxydopamine and 1-methyl-4-phenyl-1,2,3,6-tetrahydropyridine," <u>Journal of Neurochemistry</u> , 88:443-453 (2004).           | <input type="checkbox"/> |            |
|                                 | 208                 | ANKLEY et al., "Small Fish Models for Identifying and Assessing the Effects of Endocrine-disrupting Chemicals," <u>ILAR Journal</u> , 45(4):469-483 (2004).   | <input type="checkbox"/> |            |
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|                                 | 210                 | BERNSTEIN et al., "The Blood-Brain Barrier of Fish," <u>Experimental Neurology</u> , 11:464-473 (1965).   | <input type="checkbox"/> |            |
|                                 | 211                 | BRETAUD et al., "Sensitivity of zebrafish to environmental toxins implicated in Parkinson's disease," <u>Neurotoxicology and Teratology</u> , 26:857-864 (2004).  | <input type="checkbox"/> |            |
|                                 | 212                 | BRUSTEIN et al., "In vivo monitoring of neuronal network activity in zebrafish by two-photon Ca <sup>2+</sup> imaging," <u>Eur J Physiol</u> , 446:766-773 (2003).  | <input type="checkbox"/> |            |
|                                 | 213                 | CHANG et al., "Developmental Toxicity of Aroclor, the Major Alkaloid in Betel Nuts, in Zebrafish Embryos," <u>Birth Defects Research</u> , (Part A) 70:28-36 (2004).  | <input type="checkbox"/> |            |
|                                 | 191                 | CSERR et al., "Blood-brain interfaces in vertebrates: a comparative approach," <u>Am J Physiol</u> , 246:R277-R288 (1984).  | <input type="checkbox"/> |            |
|                                 | 214                 | DARLAND et al., "Behavioral screening for cocaine sensitivity in mutagenized zebrafish," <u>PNAS</u> , 98(20):11691-11696 (2001).   | <input type="checkbox"/> |            |
| /VB/                            | 215                 | DEN HERTOOG, Jeroen, "Chemical Genetics: Drug Screens in Zebrafish," <u>Bioscience Reports</u> , 25(5/6):289-297 (2005).  | <input type="checkbox"/> |            |
| Examiner Signature              | /Valarie Bertoglio/ |   | Date Considered          | 11/05/2008 |

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|  |   | <i>Examiner Name</i>          | Valarie E. Bertoglio  |
|  |   | <i>Attorney Docket Number</i> | 018852-000511US       |
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| /VB/                            | 200                 | DONG et al., "Role of Aryl Hydrocarbon Receptor in Mesencephalic Circulation Failure and Apoptosis in Zebrafish Embryos Exposed to 2,3,7,8-Tetrachlorodibenzo-p-Dioxin," <i>Toxicological Sciences</i> , 77:109-116 (2004).                                     | <input type="checkbox"/>   |
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|                                 | 217                 | FETCHO et al., "Visualization of Active Neural Circuitry in the Spinal Cord of Intact Zebrafish," <i>Journal of Neurophysiology</i> , 73(1):399-406 (1995).   | <input type="checkbox"/>   |
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|                                 | 218                 | GELING et al., "A $\gamma$ -secretase inhibitor blocks Notch signaling <i>in vivo</i> and causes a severe neurogenic phenotype in zebrafish," <i>EMBO Reports</i> , 3(7):688-694 (2002).  | <input type="checkbox"/>   |
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|                                 | 197                 | GUPTA et al., "Neuroprotective Role of Melatonin in Oxidative Stress Vulnerable Brain," <i>Indian J. Physiol Pharmacol</i> , 47(4):373-386 (2003).  | <input type="checkbox"/>   |
|                                 | 220                 | HILL et al., "Neurodevelopmental Defects in Zebrafish ( <i>Danio rerio</i> ) at Environmentally Relevant Dioxin (TCDD) Concentrations," <i>Toxicological Sciences</i> , 76:392-399 (2003).  | <input type="checkbox"/>   |
|                                 | 221                 | KHAN et al., "Role of Serotonin in Fish Immunomodulation," <i>The Journal of Experimental Biology</i> , 200:1833-1838 (1997).   | <input type="checkbox"/>   |
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| /VB/                            | 195                 | KURLANDSKY et al., "Plasma Delivery of Retinoic Acid to Tissues in the Rat," <i>J. Biol. Chem.</i> , 270(30):17850-17857 (1995).  | <input type="checkbox"/>   |
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| /VB/                            | 193                   | LUNDQUIST, Frank. "The Blood-Brain-Barrier in Some Freshwater Teleosts," <u>Acta Physiologica Scandinavica</u> , 4(3-4):201-206 (1942).   | <input type="checkbox"/> |            |
|                                 | 223                   | MACRAE et al., "Zebrafish-Based Small Molecule Discovery," <u>Chemistry &amp; Biology</u> , 10:901-908 (2003).  | <input type="checkbox"/> |            |
|                                 | 199                   | MILAN et al., "Drugs that Induce Repolarization Abnormalities Cause Bradycardia in Zebrafish," <u>Circulation</u> , 107:1355-1358 (2003).   | <input type="checkbox"/> |            |
|                                 | 192                   | MILLER et al., "Xenobiotic efflux pumps in isolated fish brain capillaries," <u>Am J Physiol Regulatory Integrative Comp Physiol</u> , 282:R191-198 (2002).   | <input type="checkbox"/> |            |
|                                 | 207                   | MOORE et al., "Murine Cerebral Microvascular Endothelium Incorporate and Metabolize 12-Hydroxyeicosatetraenoic Acid," <u>Journal of Cellular Physiology</u> , 137:785-85 (1988).  | <input type="checkbox"/> |            |
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|                                 | 229                   | Opposition Brief dated 01/11/2008 filed by opponent during opposition proceedings for EP 1 644 733.   | <input type="checkbox"/> |            |
|                                 | 224                   | PEITSARO et al., "Modulation of the histaminergic system and behaviour by $\alpha$ -fluoromethylhistidine in zebrafish," <u>Journal of Neurochemistry</u> , 86:432-441 (2003).  | <input type="checkbox"/> |            |
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| /VB/                            | 204        | SKOV et al., "The blood volumes of the primary and secondary circulatory system in the Atlantic cod <i>Gadus morhua</i> L., using plasma bound Evans Blue and compartmental analysis," <i>The Journal of Experimental Biology</i> , 206:591-599 (2003).         | <input type="checkbox"/> |
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